SONY

# HDR-PJ810/B

## Full HD 60p/24p Camcorder w/ advanced Manual Controls

### Specifications

| | |
|---|---|
| **Camera** | |
| Camera Type | Digital HD Video Camera Recorder w/ Projector |
| **Imaging Sensor** | |
| Imaging Sensor | 1/3.95" (4.6mm) back-illuminated Exmor R® CMOS Sensor |
| Processor | BIONZ® X image processor |
| Pixel Gross | Approx.6590K pixels |
| Effective Picture Resolution | Approx.6140K pixels(16:9)/Approx.4600K pixels(4:3) |
| Color Filter System | ClearVid™ array |
| **Recording** | |
| Media Type | Internal Memory, Memory Stick Micro and Micro SD/SDHC/SDXC compatible |
| Still Image Mode | JPEG |
| Still Image Max Effective Resolution | 24.5 megapixels |
| Still Image Size 16:9 | Movie Mode: 20.0 megapixels 16:9 (5024 x 2824); Photo Mode: 20.0 megapixels 16:9 (5024 x 28242) |
| Still Image Size 4:3 | Photo Mode: 18.4 megapixels 4:3 (4960x3712) |
| Video Mode | HD: MPEG4-AVC/H.264 AVCHD 2.0 format.compatible; STD: MPEG2-PS; MP4: MPEG-4 AVC/H.264 |
| Video Resolution | HD:1920x1080/60p(PS),24p(FX,FH),60i(FX,FH), 1440x1080/60i(HQ,LP) |
| Video Actual (Pixel) | Approx.6,140K pixels(16:9) |
| Video Signal | HDTV, NTSC color, EIA standards |
| Recording and Playback Times (in Internal Media)(2ch) | HD PS: 2h30m; HD FX: 2h35m; HD FH: 3h25m; HD HQ: 5h25m; HD LP: 7h55m; (Times are approximate; max time) |
| Photo Capture from Movie | 2.1megapixels16:9 (1920×1080) |
| Dual Record | Yes |
| Audio Format | Dolby® Digital 5.1ch, Dolby® Digital 5.1Creator; Dolby® Digital 2ch Stereo, Dolby® Digital Stereo Creator;MPEG-4 AAC-LC 2ch |
| Microphone/Speaker | Built-in Zoom Microphone; Monoroal Speaker |
| Dual Video Recording | Yes |
| Internal Media | Flash Memory 32GB |
| Mic Level Control | Yes (31steps) |
| Movie Recording Rate(Average Bit Rate/VBR) | HD PS:Approx.28Mbps/FX:Approx.24Mbps/FH:Approx.17Mbps/HQ:Approx.9Mbps/LP:Approx.5Mbps;MP4: Approx.3Mbps |
| Recording and Playback Times (in Internal Media)(5.1ch) | HD PS: 2h35m; HD FX: 2h40m; HD FH: 3h30m; HD HQ: 5h30m; HD LP: 8h0m; (Times are approximate; max time) |
| Still Image File Format | DCF Ver.2.0 compatible, Exif Ver.2.3 compatible, MPF Baseline compatible |
| Wind Noise Reduction | Yes (On/off) |
| **Optics/Lens** | |
| Lens Type | G™ Lens |
| Lens Stabilization | Balanced Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele) |
| Aperture | F1.8-F3.4 |
| Optical Zoom | 12x |
| Digital Zoom | 160x |

SONY

| | |
|---|---|
| Focal Length (35mm equivalent) | Movie Mode: 26.8-321.6mm (16:9); Photo Mode: 26.8-321.6mm (16:9), 32.8-393.6mm (4:3) |
| Minimum Focus Distance | Approx.1cm(Wide),Approx.80cm(Tele) (13/32inch-31 1/2inch) |
| Clear Image Zoom | 24x |
| **Viewfinder** | |
| Type | 0.2" (0.5cm) / Color 201,600dots equivalent |
| Field of View | 1 |
| Touch Panel | Yes |
| **LCD Display** | |
| LCD Type | 3.0" Xtra Fine LCD™ display (921k) touch screen |
| Angle Adjustment | Opening Angle: max.90 deg., Turning Angle: max.270 deg. |
| Brightness Control | Yes (Menu) |
| Coverage | 100% |
| Grid Display | Grid Line |
| **Focus Control** | |
| Focus System | Contrast AF |
| AF Modes | Auto / Manual (Touch Panel / Dial) |
| Focus Area | Full range Focus / Spot Focus |
| Manual Focus Assist | Magnified display for precise manual focus; Peaking Display |
| Focus Features | Tracking Focus |
| **Exposure System** | |
| Metering Modes | Multi-segment / Spot |
| Exposure Compensation | AE Shift (Dial / Touch Panel) |
| Exposure Settings | Auto; Flexible Spot (Touch Panel); Manual (Dial / Menu) |
| Scene Mode(s) | Auto / Twilight / Twilight Portrait (Photo Mode only) / Sunrise & Sunset / Fireworks / Landscape / Portrait / Spotlight / Beach / Snow |
| D-Range Optimizer | Yes |
| Noise Reduction | Yes |
| White Balance Mode | Auto / Onepush / Outdoor / Indoor |
| Minimum Illumination | Standard: 6 lux (1/60 Shutter Speed); Low Lux: 3 lux (1/30 Shutter Speed) |
| Auto Iris Control | F1.8 - F10 |
| Backlight Compensation | Yes (Auto) |
| Gain Control | Auto |
| LOW LUX Mode | Yes |
| Manual Exposure Assist | Zebra Pattern Display |
| Manual Iris Control | F1.8 - F10 |
| WB Shift | Yes |
| **Drive System** | |
| Drive Mode | Photo Mode: Single-shot / Self-timer |
| Self-timer | Approx. 10sec. (Still Image / Golf Shot) |
| Shutter Speeds | Shutter Speed(Standard): 1/60 - 1/10000; Shutter Speed (Auto Control Range) 1/8 - 1/10000; Shutter Speed(Manual Iris Control) 1/60 - 1/10000; Shutter Speed(Manual Shutter) 1/8 - 1/10000; Shutter Speed(Smooth Slow Rec): 1/250 - 1/10000 |
| **Flash** | |
| Flash Coverage | Approx.11 7/8 inch-59 1/8 inch (Approx.30cm-150cm) |
| **Convenience Features** | |
| Manual / Auto Lens Cover | Auto |
| S/S & Zoom button on LCD | Yes (Touch Panel) |
| Self Timer | Yes |

SONY

| | |
|---|---|
| Red-Eye Reduction | Yes (On/Off) |
| Fader Effect(s) | White / Black |
| Date / Time Stamp | Yes (Rec Date and Time, Camera info) |
| Erase/Protect | Yes / Yes |
| Media/Battery Indicator | Yes (recordable time, free and used media space) / Yes (recordable time, remaining capacity) |
| Power Save Mode | Yes |
| Still Image Playback Options | Slide Show |
| Video Playback Options | Highlight Playback (HD Movie Only); Highlight Playback Save and Share (Translate into STD quality); Highlight Scenario (Save/Playback/Erase); Hightlight BGM (Preinstalled 4 music files, Music transfer) |
| Built-in USB Cable | Yes (USB Charge Available) |
| Multiple Language Display | English; Brazilian Portugese; Canadian French; Spanish |
| Picture Effects | Yes |
| Remote Control | Yes |
| Self Recording | Yes |
| **Advanced Features** | |
| Assignable Dial | Yes (Focus / Exposure / Iris / Shutter Speed / AE Shift / WB Shift Set) |
| AGC Limit | Yes |
| Airplane Mode | Yes |
| Audio Level Display | Yes |
| CinemaTone Gamma/Color | Yes |
| Face Detection | Yes |
| Golf Shot | Yes |
| Image Stabilization | Balanced Optical SteadyShot™ image stabilization w/ Active mode (Wide to Tele) |
| Intelligent Auto | Portrait / Baby / Walk / Tripod / Backlight / Landscape / Spotlight / Twilight / Macro / Low light / Auto Wind Noise Reduction |
| My Voice Canceling | Yes |
| Premium Closer Voice | Yes |
| Priority Setting (for Face Detection) | Auto/OFF |
| S-Master | Yes |
| Smile Shutter™ technology | Dual Capture / Always On / Off |
| Smooth Slow Rec | Yes |
| Wi-Fi | Built-In (Wi-Fi Compatible, IEEE 802.11b/g/n(2.4GHz band) |
| Wi-Fi Functionality | Remote control with mobile device, send to smartphone, send to PC (with optional wi-fi accessory) |
| x.v.Color™ | Yes |
| **Interface** | |
| Memory Card Slot | Memory Stick Micro and Micro SD/SDHC/SDXC compatible |
| NFC | Yes |
| Wi-Fi | Yes |
| SD Output | Composite Video Out (AV CABLE (sold separately)) |
| HD Output | HDMI Out (micro)(supplied) |
| USB Port(s) | TypeA (built-in) / USB2.0 Hi-speed (mass-storage/MTP) |
| BRAVIA® Sync™ | Yes |
| PhotoTV HD | Yes |
| Headphone Jack | Stereo Minijack |
| Microphone Input | Stereo Minijack |
| Direct Copy | Yes |
| Accessory Shoe | Yes (Multi Interface Shoe) |

SONY

| | |
|---|---|
| DC IN | Yes |
| HDMI Terminal | Yes (HDMI micro) |
| Projector Input | Yes (HDMI micro) |
| **Weights and Measurements** | |
| Dimensions (Approx.) | Approx.2 3/4inch (W) x 2 7/8inch(H)x 5 3/8inch (D) (Approx.67.5mm x 72.5mm x 134mm) |
| Weight (Approx.) | Approx.1lb (Approx.460g) Main Unit Only |
| **Power** | |
| Power Consumption (in Operation) | Viewfidner: HD:2.9W; LCD: HD:3.1W |
| Power Requirements | 6.8V/7.2V (battery pack); 5.0V (AC Adapter) |
| Battery Type | InfoLITHIUM® with AccuPower™ Meter System (V Series) |
| **Software** | |
| Supplied Software | PC: PlayMemories Home and Music Transfer (via download); MAC: Music Transfer, PlayMemories Online Uploader, Wireless Auto Import (by download) |
| Operating System Compatibility | Windows XP SP3 /Windows Vista SP2 /Windows7 64-bit editions and Starter (Edition) are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs. Starter (Edition) are not supported. Standard installation is required. Operation is not assured if the above OS has been upgraded or in a multi-boot environment. |
| **Service and Warranty Information** | |
| Limited Warranty Term | Limited Warranty --- 1 Year Parts; 90 Days Labor |
| **Accessories** | |
| Supplied Accessories | Rechargeable Battery Pack (NP-FV50) (1)<br>USB AC adapter(1)<br>HDMI(micro) Cable (1)<br>USB Connection Support Cable (1)<br>Operating Guide (1)<br>Step Down Ring (1)<br>Remote Commander(RMT-835 with Battery(CR2025)) (1) |

1. Requires NFC-compatible mobile device. Check device's user manual for compatibility.
© 2014 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, Exmor R, BIONZ and the Sony logo are trademarks of Sony Corporation. All other trademarks are trademarks of their respective owners. Features and specifications subject to change without notice.
Updated: June 23, 2014